

Play: 6751 *Northern Appalachian Basin - Syncline*

Province: 67 Appalachian Basin

Play Type coalbed gas

Geologist: Rice, D.D./Finn, T.M.

Status: hypothetical

Play Probability: 1.00

Cells: **Cell Size:** 40 acres 0.0625 sq mi

Area of Play: 10,127 sq mi 162,032 cells

Productive Cells: 0

Tested Nonproductive Cells: 0

Untested Cells: minimum median maximum mean distribution
30,000 70,000 100,000 68,916 bell-shaped

Success Ratio for Untested Cell 0.70

EUR Distribution for Untested Cells (MMCFG):

<u>F100</u>	<u>F95</u>	<u>F75</u>	<u>F50</u>	<u>F25</u>	<u>F5</u>	<u>F0</u>	<u>mean</u>
20	35	80	150	280	540	1,000	216

<u>Depth (ft):</u>	<u>minimum</u>	<u>median</u>	<u>maximum</u>	<u>mean</u>
	300	1,000	2,000	1,036

Analog play:

Play Type coalbed gas

Status: hypothetical

Net Thickness of Potentially Productive Coal (ft):	<u>mean</u>	<u>maximum</u>
	19	36

Mean Number of Potentially Productive Coal Seams: 35

Mean Thickness of Potentially Productive Coal-Bearing Interv	1,600 ft
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Total Dissolved Solid ppm

Water Disposal: surface discharge

Gas Quality:	C1%	C2+%	CO2%	N2%	Btu
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Is there active underground coal mining? yes

Mined-Out Areas: 1,185 sq mi 12.0 %

Is compression needed for transmission? yes

Are coalbed gas wells generally stimulated in this plays

Potential Gas Reserve Additions (BCFG):

<u>F95</u>	<u>F75</u>	<u>F50</u>	<u>F25</u>	<u>F5</u>	<u>mean</u>	<u>s.d.</u>
7,161.02	8,812.05	10,178.80	11,757.60	14,468.30	10,414.00	2,251.92